

(11) Publication number: **57049620 A**

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **55125243**

(51) Intl. Cl.: **C08G 63/76**

(22) Application date: **11.09.80**

(30) Priority:

(43) Date of application
publication: **23.03.82**

(84) Designated contracting
states:

(71) Applicant: **TEIJIN LTD**

(72) Inventor: **INADA HIROO**
MATSUMURA SHUNICHI

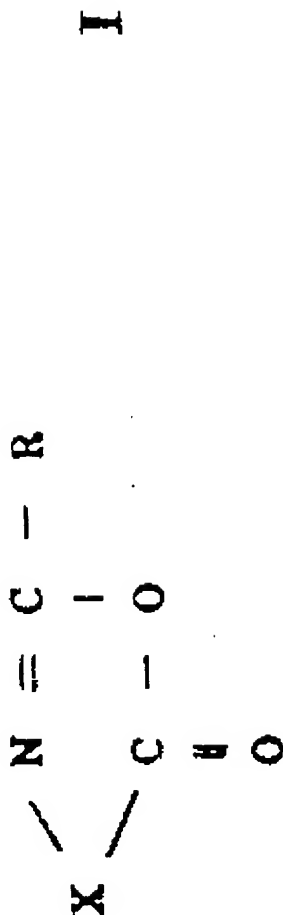
(74) Representative:

(54) IMPROVEMENT OF POLYESTER

(57) Abstract:

PURPOSE: To increase the chemical stability of a terminal OH-containing saturated linear aromatic polyester in molten state and to suppress formation of oligomer, by reacting the polyester with a cyclic iminoester compound of a specific structure at high temperature.

CONSTITUTION: A terminal OH-containing and substantially linear aromatic polyester (e.g., polyethylene terephthalate having a terminal OH group of 20W50 equivalent/106g and an intrinsic viscosity of about 0.7) is reacted with preferably 0.2W4 PHR cyclic iminoester compound (e.g., 2-phenyl-3,1-benzoxazine-4-one, etc.) shown by the formula I (R is monofunctional organic group; X is bifunctional organic group; a ring structure shown by the formula II is 5W6 membered ring) preferably at normal pressure in an inert gas, e.g., N₂, etc. or under reduced pressure at 200W300°C for



about 1W30min.

COPYRIGHT:

(C)1982,JPO&Japio